**WORD/FIFO\_WIDTH = 16  
FIFO\_SIZE = 8**

**data\_out[FIFO\_WIDTH-1:0]**

**data\_in[FIFO\_WIDTH-1:0]**

**underflow**

**overflow**

**almostempty**

**almostfull**

**empty**

**full**

**wr\_ack**

**rd\_en**

**wr\_en**

**rst\_n**

**clk**

FIFO